

# VOLCAN L80 RS

TECHNICAL FEATURES	VOLCAN L80 RS
<b>ENGINE</b>	Kohler KDI 2504 TCR
Number of cylinders	4 in-line / 16 valves
Displacement (cm <sup>3</sup> )	2,482
Intake	Turbo / Intercooler
Fuel system	Direct injection "Common rail" - 2000 bar
Emission level	Stage 3B
Balancing	Counter-balance shafts
Power (kW/HP)	55.4 / 75.3
Rated speed (rpm)	2,300
Maximum torque (Nm/rpm)	300 / 1,500
Speed management	Electronically regulated with a console with functions: increase and decrease of engine speed, memorize and recall a particular speed or switch off the electronic throttle and go to the minimum idle speed
Cooling	Liquid
Tank capacity (lt)	54
<b>CHASSIS</b>	Swinging integral chassis OS-FRAME with steering wheels
<b>DRIVE</b>	Four-wheel drive. Front-wheel drive disengagement with electro-hydraulic control
<b>TRANSMISSION</b>	32 speeds synchronized gearbox: 16 FWD and 16 REV with synchronized reverser
<b>POWER SHUTTLE EASYDRIVE®</b> (optional)	Electro-hydraulic power shuttle electronically actuated with the lever (with 3 position FWD-N-REV) installed on the left of steering wheel. Possibility to choose from 5 levels of reactivity
Transmission clutch	Multidisc in oil bath electronically-managed and proportional hydraulic control with PRO-ACT System
<b>DIFFERENTIAL</b>	Front and rear. Differential lock: front and rear simultaneously or only rear with electro-hydraulic control
<b>AXLES</b>	Front and rear with epicyclic reduction units. Front axle, oscillating in the middle (approx. ±15°)
<b>REAR PTO</b>	Independent from the gearbox and synchronized with forwarding speed. Engageable under load with brake in disengaged position
PTO clutch	Multidisc in oil bath with electro-hydraulic control
PTO rotation speed (rpm)	Standard: 540/540E - Optional: 540/1,000
<b>HYDRAULIC SYSTEM</b>	Double circuit with independent pumps and heat exchanger
Flow rate to the hydroguide and the electro-hydraulic controls (lt/min)	33
Flow rate to the lift and the control valves (lt/min)	30 (optional oversized pump with flow rate 49 lt/min)
Maximum hydraulic pressure (bar)	180
<b>REAR CONTROL VALVES</b>	Mechanical control
Standard	2 double acting
Optional and in addition to the standard ones	1 single acting and 1 double acting or 1 double acting and 1 double acting with float
Joystick (optional)	With proportional electronic control of lifts and control valves consisting of: 1 single acting with adjustable flow and free return, 5 double acting (replacing the standard ones) and oversized pump 49 lt/min. Potentiometer to change the sensibility of the joystick
<b>ELECTRIC SYSTEM</b>	Battery 100 Ah / 12 V - Alternator 95 A
Rear power outlets	7 pin and 3 pin
<b>REAR LIFT</b>	Standard: by two external rams - Optional: position and draft control
Three-point hitches	Standard: standard couplers cat. 1 and 2. Optional: quick couplings cat. 1 and 2, arms with adjustable length or quick couplings, L-shaped, cat. 1 and 2, arms with adjustable length and hooks with adjustable width.
Three-point tie bar	Standard: with manual adjustment - Optional: hydraulically controlled upper link and tie rod link arm
Ball joint lifting capacity (kg)	2,300
<b>FRONT LIFT</b> (optional)	By two external rams with front protection and 2 double acting control valves with free return
Three-point hitches	Rigid with quick couplings cat. 1
Lifting capacity (kg)	800
<b>DRIVING PLATFORM</b>	Reversible with platform suspended on silent block. Suspended pedals mounted on rotating control column
Steering wheel	With adjustable inclination
Seat	With gas spring for easy tipping, safety belt and 'man on board sensor'. Standard: comfortable sprung seat, adjustable according to the driver's weight - Optional: 'Kab Seating' or 'Grammer' pneumatic seat
<b>SERVICE BRAKES</b>	Oil bath discs with hydrostatic control, acting on the four wheels with automatic engagement of the 4-wheel drive
Parking brake	Automatic and independent Brake-Off acting as emergency brake with proportional action
<b>STEERING</b>	Hydrostatic steering acting on front wheels. Flow deviator for steering unit
<b>SAFETY</b>	Standard: front homologated roll-bar, with gas springs for an easy lowering and lifting
<b>CABIN</b> (optional)	Homologated and sound-proof with monocoque body fitted on silent-block, beacon lamp and fabric covered seat. With ventilation, heating system and air conditioning. Available with standard or conical structure
<b>INSTRUMENT PANEL</b>	With multi-function colour and digital display complete with: hour counter, battery voltage, fuel consumption, simultaneous reading of engine speed, forwarding speed and PTO speed. Warning lights and acoustic alarm
<b>TYRES</b> (standard)	280/70R18
Optional	340/65R18 * 320/65R18 * 250/85R20 * 300/70R20 * 320/70R20 * 340/65R20 * 31x15.50-15 XTC or STG * 13.6-16 Garden
<b>TOW HOOKS</b> (standard)	Rear CUNA and front
Optional	Rear tow hook: EC approved or EC approved (Slider type) or CUNA (Slider type)
<b>WEIGHT in order of speed</b>	
With roll-bar (kg)	2,315
With cabin (kg)	2,460
<b>OPTIONAL</b>	Front bumper, Beacon lamp, Front weight, Weights for wheels, Active carbon filter for cabin